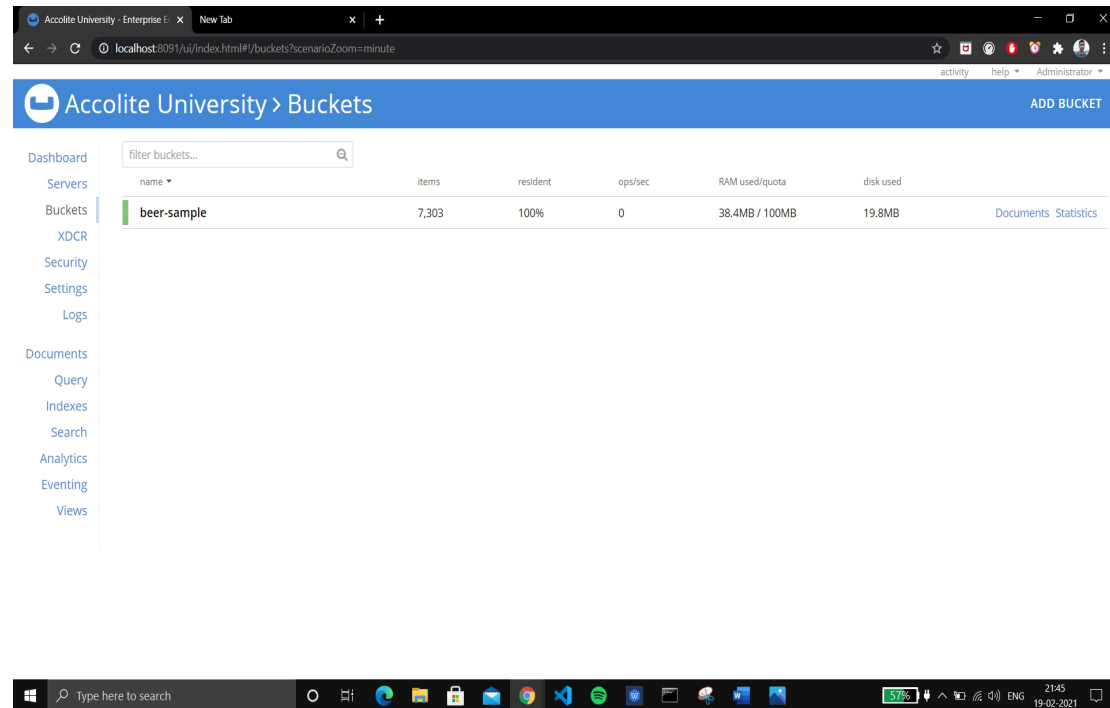# NO SQL Assignment

1. Import `beer-sample` bucket



2. Write a join query to fetch the Top 10 brewery(type="beer") and their country(type="brewery") which produces more varieties of beers.

select b1.name as beer_name,
b2.country as country_name
FROM `beer-sample` b1 JOIN `beer-sample` b2 ON KEYS b1.brewery_id
WHERE b1.type="beer"
AND b2.type="brewery"
LIMIT 10

Output:

beer_name country_name
"21A IPA"   "United States"
"563 Stout" "United States"
"Amendment Pale Ale" "United States"
"Bitter American"    "United States"
"Double Trouble IPA"    "United States"
"General Pippo's Porter"     "United States"
"North Star Red"     "United States"
"Oyster Point Oyster Stout" "United States"
"Potrero ESB"   "United States"
"South Park Blonde"     "United States"

3. Write a mapreduce to get the number of breweries based on country.
Please attach the mapreduce code and json output screenshot.

4. XDCR:
   a) Add a new bucket "Brewery".
   b) Create a XDCR with a filter(type='brewery') to replicate only the brewery entity from `beer-sample` bucket.
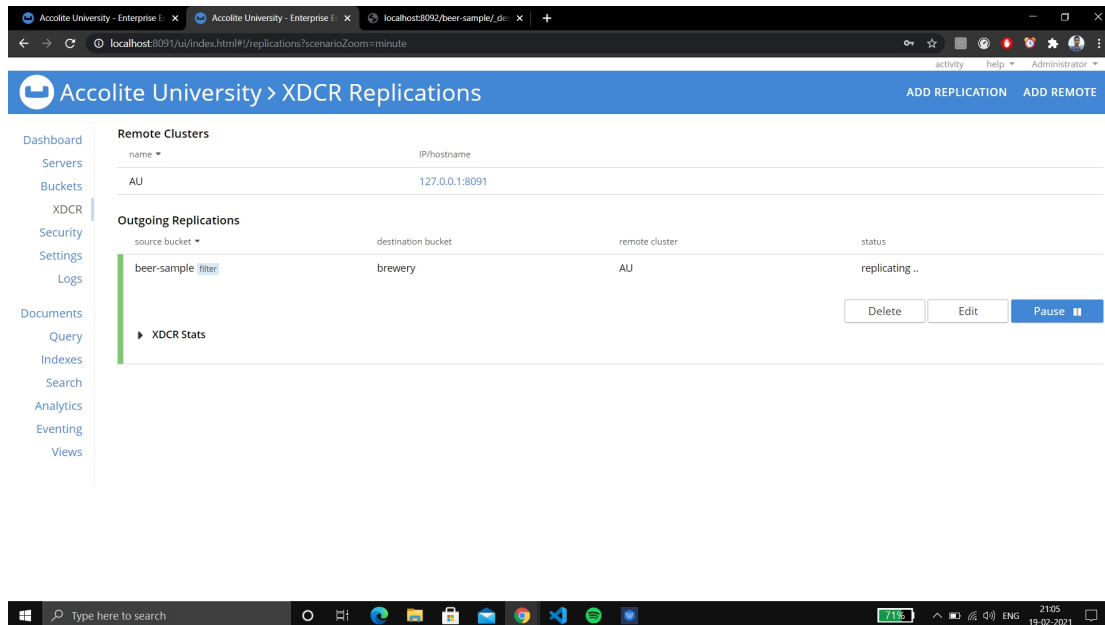


5. CLI:
   a) Add a new bucket "Beer".
   b) Using CLI - do a cbexport of the entire `beer-sample`
   c) And do a cbimport with "brewery_id" as primary key. As a result, in the new bucket - only "beer" documents will be imported with their respective brewery name as meta().id
   d) Share your observation on counts with screenshot.